

Kentucky Occupational Skill Standards List

1001 Horticulture

AA		UTILIZE EFFECTIVE WORKPLACE COMMUNICATION SKILLS
AA	001	Read and process information and follow instructions.
AA	002	Read material and describe concepts.
AA	003	Use correct terminology.
AA	004	Use correct spelling, grammar, and punctuation.
AA	005	Write with accuracy, brevity, and clarity.
AA	006	Demonstrate knowledge of conflict resolution techniques.
AA	007	Possess basic computer keyboarding skills.
AA	008	Demonstrate understanding of basic interpersonal communication (listening, written, oral, etc.)
AA	009	Implement new process steps given oral instructions.
AA	010	Demonstrate the characteristics of a team player.
AA	011	Contrast the roles of a team with the role of an individual.
AA	012	Perform techniques used as a team leader.
AA	013	Organize and deliver a persuasive oral presentation.
AA	014	Demonstrate good speaking and presentation characteristics.
AA	015	Demonstrate basic leadership skills.
AA	016	Identify the organizational need for profit.
AA	017	Demonstrate use of an industry-accepted word processing software package.
AB		APPLY MATH AND MEASUREMENT SKILLS
AB	001	Add, subtract, multiply, and divide for digit numbers with or without the use of a calculator.
AB	002	Apply basic math functions to solve problems.
AB	003	Convert between US and metric measurement systems.
AB	004	Convert fractional measurement to decimal measurement.
AB	005	Compute within measurement systems.
AB	006	Document results of measurement activities and calculations.
AB	007	Calculate with percents, rate, ratio, and proportion with the use of a calculator.
AB	008	Make reasonable estimates.
AB	009	Compute calculated measurements.
AC		APPLY BASIC SCIENCE CONCEPTS AND SKILLS
AC	001	Understand scientific plant classification.
AC	002	Compare the anatomical parts and distinguishing characteristics of plants.
AC	003	Understand the reproductive processes of plants.
AC	004	Investigate sexual and asexual reproduction of plants including tissue culture.
AC	005	Analyze the process of plant growth and development.
AC	006	Be aware of biotechnology and its uses in the horticulture production.
AC	007	Explain the use of applied genetics in horticulture.
EA		EXHIBIT WORKPLACE SKILLS
EA	001	Demonstrate consistently punctual arrival.
EA	002	Document regular attendance
EA	003	Demonstrate enthusiasm and confidence about work and learning new tasks.
EA	004	Demonstrate appropriate dress and hygiene for successful employment
EA	005	Demonstrate the ability to act in a polite and respectful way towards co-workers.

Kentucky Occupational Skill Standards List

1001 Horticulture

EA	006	Demonstrate the ability to complete tasks on time and accurately.
EA	007	Demonstrate the ability to make career decisions.
EA	008	Prepare a resume and letter of application or interest.
EA	009	Complete an application for employment.
EA	010	Participate in an employment interview.
EA	011	Follow directions and procedures.
EA	012	Accept constructive criticism.
EA	013	Work with minimal supervision.
EB		UNDERSTAND WORKPLACE ISSUES
EB	001	Recognize the difference between a team environment workplace and a conventional workplace.
EB	002	Identify the characteristics of a diverse workforce.
EB	003	Identify food ethical characteristics and behaviors.
EB	004	Differentiate between good and poor business ethics.
EB	005	Match employee responsibilities to employer expectations.
EB	006	Define discrimination, harassment, and equity.
EB	007	Demonstrate non-discriminatory behavior.
EB	008	Maintain confidentiality and sensitivity of company information.
EC		PERFORM BUSINESS PLANNING AND OPERATIONS PROCEDURES
EC	001	Plan and manage work schedules.
EC	002	Maintain receipts and disbursement records.
EC	003	Maintain inventory records.
EC	004	Maintain computer records.
EC	005	Identify possible actions that may lead to customer dissatisfaction.
EC	006	Identify the ways that the level of customer satisfaction may affect company success.
EC	007	Explain the importance of a business reputation.
EC	008	Identify possible actions that may be used to correct customer dissatisfaction.
EC	009	Identify the effect of quality on profit.
EC	010	Identify the effects of continuous quality improvement.
ED		DEMONSTRATE EFFECTIVE COMMUNICATION AND TEAMWORK SKILLS
ED	001	Organize materials with a logical flow.
ED	002	Interpret and clarify directions prepared by others.
ED	003	Communicate with customers.
ED	004	Write steps of an occupational process using sentences and statements as appropriate.
ED	005	Identify appropriate communication methods.
ED	006	Identify components of group dynamics.
ED	007	Demonstrate productive relationships within the work group.
EE		DEMONSTRATE PROBLEM SOLVING TECHNIQUES
EE	001	Apply a system of problem solving.
OA		DETERMINE APPROPRIATE MARKETING AND SALES STRATEGIES
OA	001	Develop a marketing plan.
OA	002	Address customer questions about products and services.
OA	003	Demonstrate sales process.

Kentucky Occupational Skill Standards List

1001 Horticulture

OB		ANALYZE AND ENHANCE SOIL AND GROWING MEDIA
OB	001	Collect soil samples.
OB	002	Analyze soil samples.
OB	003	Interpret soil samples.
OB	004	Adjust fertility and pH from analysis.
OB	005	Analyze site according to soil type, slope and drainage.
OB	006	Demonstrate the use of different soil mixes and growing media.
OC		DISTINGUISH AND SELECT PLANT PRODUCTION METHOD
OC	001	Propagate specific plant materials.
OC	002	Label propagation material.
OC	003	Watering requirements of specific plants.
OC	004	Fertility requirements of specific plants
OD		DEVELOP AND IMPLEMENT PRODUCTION AND MANAGEMENT SCHEDULES
OD	001	Determine production cost for given crop.
OD	002	Regulate environmental factors for plant growth.
OD	003	Schedule production and harvest for given crop.
OD	004	Distinguish environmental issues (surface or ground water, government regulations, water testing, EPA).
OD	005	Interpret weather patterns, data.
OE		MONITOR AND CONTROL PESTS
OE	001	Determine proper pesticide for given symptoms.
OE	002	Demonstrate safe handling and storage of pesticides.
OE	003	Calculate, mix, and apply pesticides
OE	004	Monitor for plant damage.
OF		PERFORM ROUTINE SERVICE AND MAINTENANCE OF TOOLS AND EQUIPMENT
OF	001	Clean and maintain hand tools.
OF	002	Service selected equipment according to manufacturers recommendations.
OG		PROVIDE A SAFE WORKPLACE ENVIRONMENT
OG	001	Follow theft and security procedures.
OG	002	Identify emergency, safety and health rules/procedures.
OG	003	Identify immediate and real costs of an accident.
OG	004	Identify hazardous substances in the workplace.
OG	005	Identify methods of preventing accidents in the workplace.
OG	006	Assume responsibility for the personal safety of self and others.
OG	007	Comply with established safety practices.
OG	008	Identify fire exits and fire-fighting equipment.
OG	009	Maintain a clean a safe work facility.
OG	010	Report unsafe practices to appropriate personnel.
OH		UTILIZE INDUSTRY RESOURCES
OH	001	Apply electronic technology (bar code, e-mail).
OH	002	Distinguish roles and responsibilities of government agencies.
OH	003	Keep up-to-date through industry associations and trade journals.

Kentucky Occupational Skill Standards List

1001 Horticulture

OH	004	Interpret the impact of the horticultural industry on local, state, national, and international economy.
----	-----	--